

H.A

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/065,475	CRANFORD ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Daniel D. Chang	2819	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**  
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed 9/15/04 & Drawing filed 10/14/04.
2. ☒ The allowed claim(s) is/are 1-4,6-11,13-18 and 20.
3. ☒ The drawings filed on 14 October 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                                  |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>20050408</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment  |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance                         |
|   | 9. <input type="checkbox"/> Other _____.   |

*Acknowledgement*

Receipt is acknowledged of the Amendment filed September 15, 2005 and Drawings filed October 14, 2004.

**EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Frederick Gibb, III on April 8, 2005.

The application has been amended as follows:

**In the Claims:**

Claims 1, 8, and 15 have been amended as shown in the attached sheet.

Claims 5, 12, and 19 have been canceled.

Claim 6, line 1, the number "5" has been deleted and replaced by --1--.

Claim 13, line 1, the number "12" has been deleted and replaced by --8--.

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**In the Drawings:**

The Identification Label, "New Sheet" has been labeled on pages 3-6 (Figs 3-10).

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***Reasons for Allowance***

Claims 1-4, 6-11, 13-18, and 20 are allowable over the prior art of record.

The following is an examiner's statement of reasons for allowance: the best prior art of record, Loyer, taken alone or in combination of other references, does not teach or fairly suggest a driver circuit comprising, among other things, a plurality of parallel resistors, wherein a total impedance of all said resistors always equals an impedance of said transmission line and a switch that is connected to balancing resistors, to combine said resistors to control an output level of said driver, as set forth in the claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

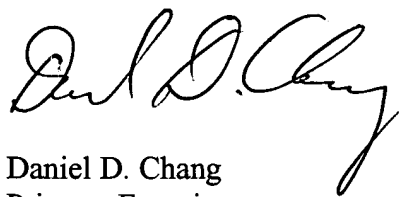
***Contact Information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel D. Chang whose telephone number is (571) 272-1801. The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael J. Tokar can be reached on (571) 272-1812. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2819

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Daniel D. Chang  
Primary Examiner  
Art Unit 2819

dc

**DANIEL CHANG  
PRIMARY EXAMINER**



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Cranford, Jr. et al.

Serial No.: 10/065,475

Group Art Unit: 2819

Filed: October 22, 2002

Examiner: D. Chang

For: TERMINATING RESISTOR DRIVER FOR HIGH SPEED DATA  
COMMUNICATION

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SUBMISSION OF CORRECTED FORMAL DRAWINGS

Sir:

Submitted herewith are six (6) sheets of corrected formal drawings comprising Figs. 1-10 for the above-referenced patent application. Specifically, Figs. 1 and 2 have been corrected to designate them as Prior Art. Acknowledgment of receipt is respectfully requested. Please substitute these formal drawings for the drawings which were filed on February 11, 2003.

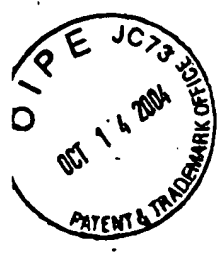
Respectfully Submitted,

Frederick W. Gibb, III

Reg. No. 37,629

Date: 9/13/04  
McGinn & Gibb, PLLC  
2568-A Riva Road, Suite 304  
Annapolis, Maryland 21401  
(301) 261-8071  
Customer No. 29154

Okay to enter DWG.  
QC. 4/8/05



REPLACEMENT SHEETS

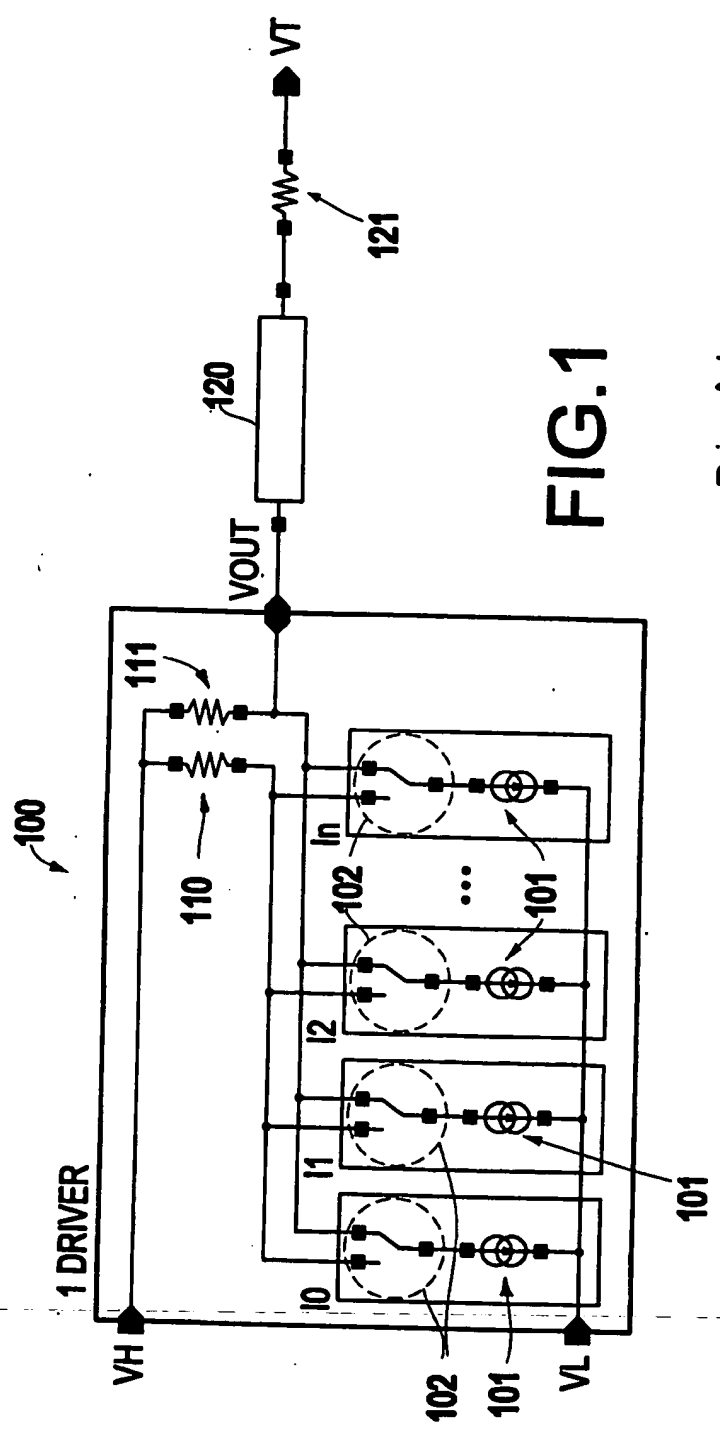


FIG.1

Prior Art



REPLACEMENT SHEETS

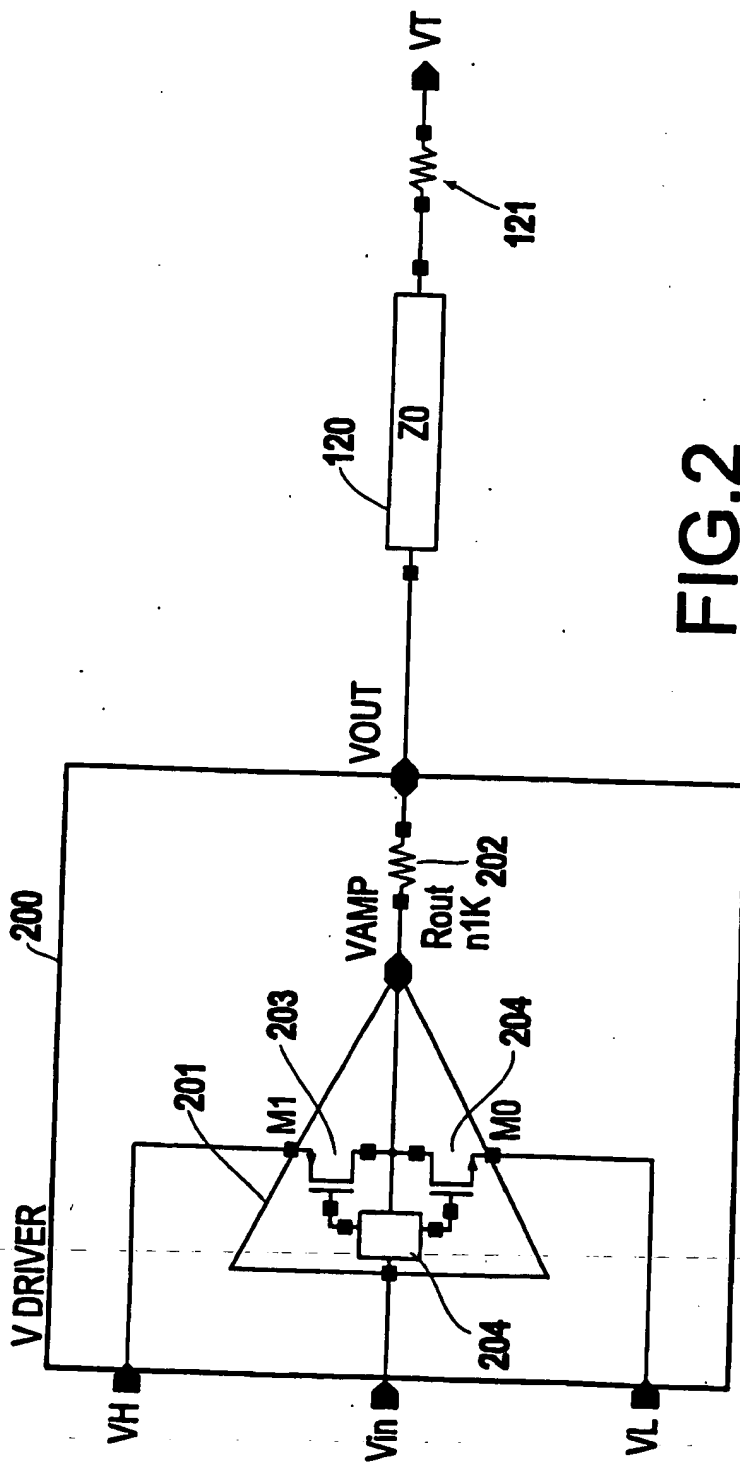


FIG.2

Prior Art



New Sheet

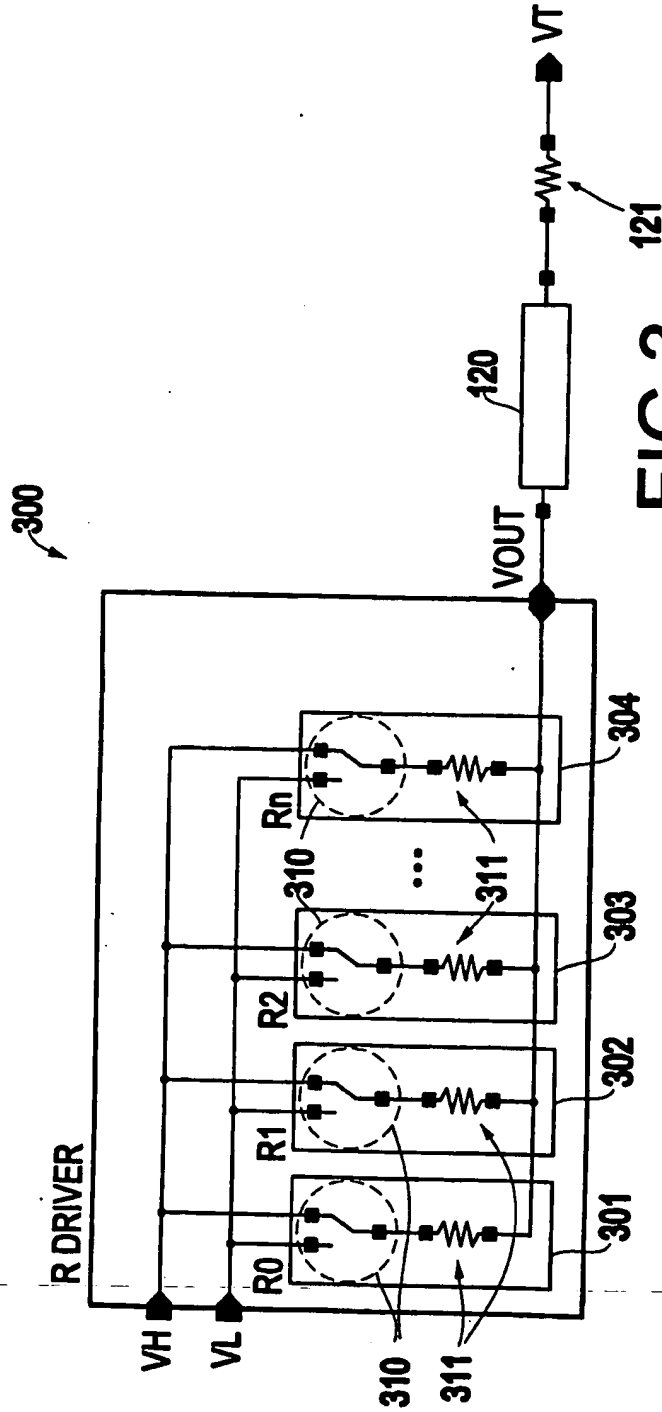


FIG.3



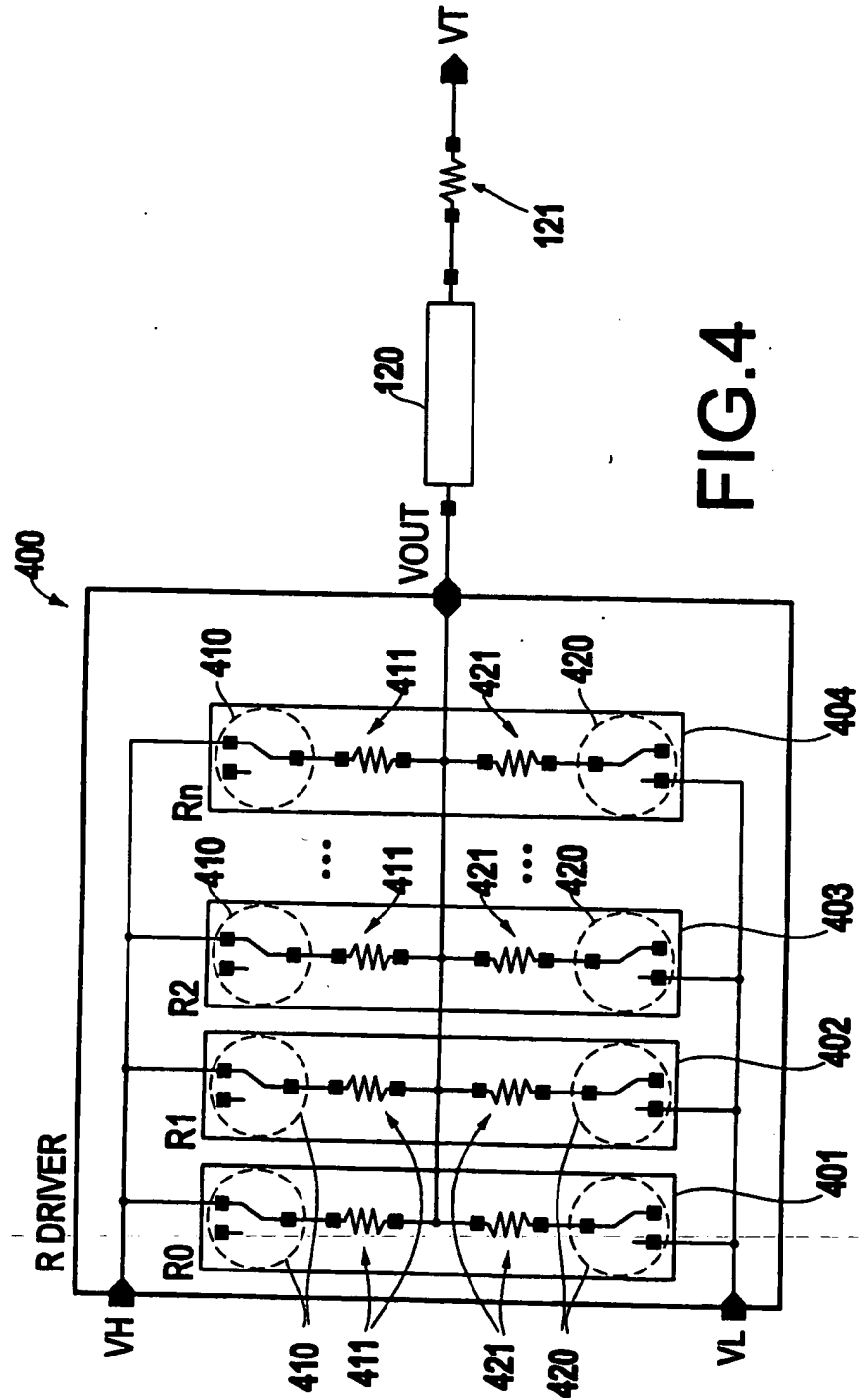


FIG.4



New Sheet

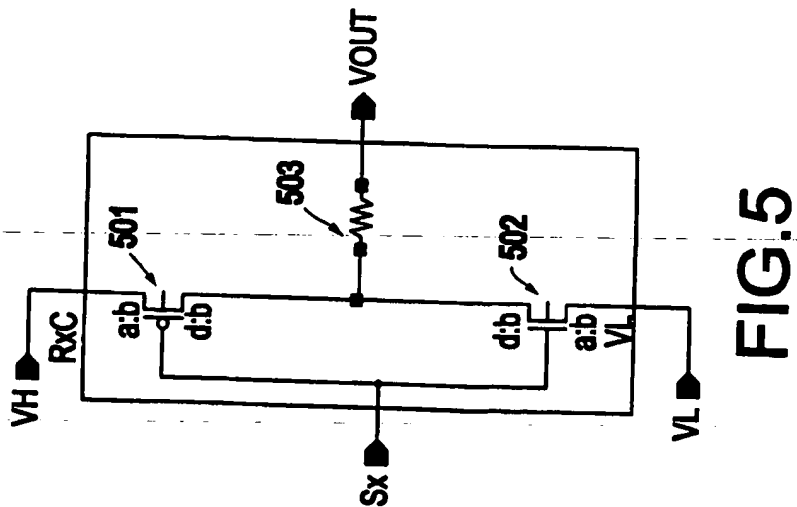


FIG. 5

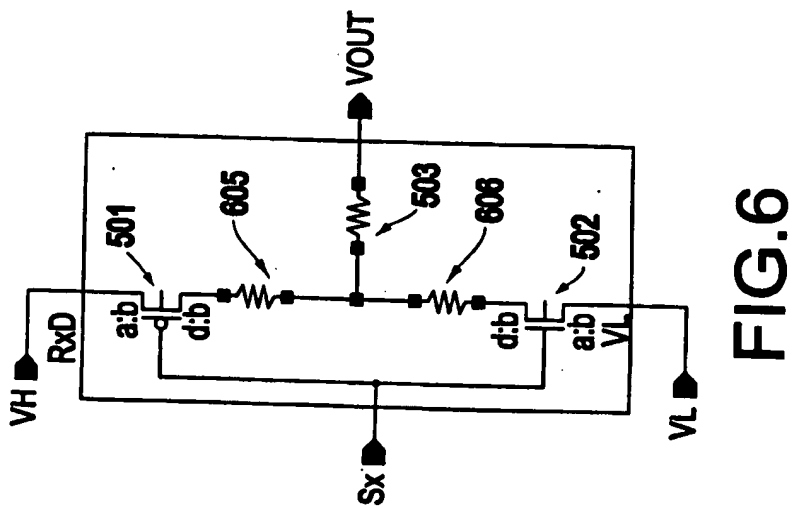


FIG. 6

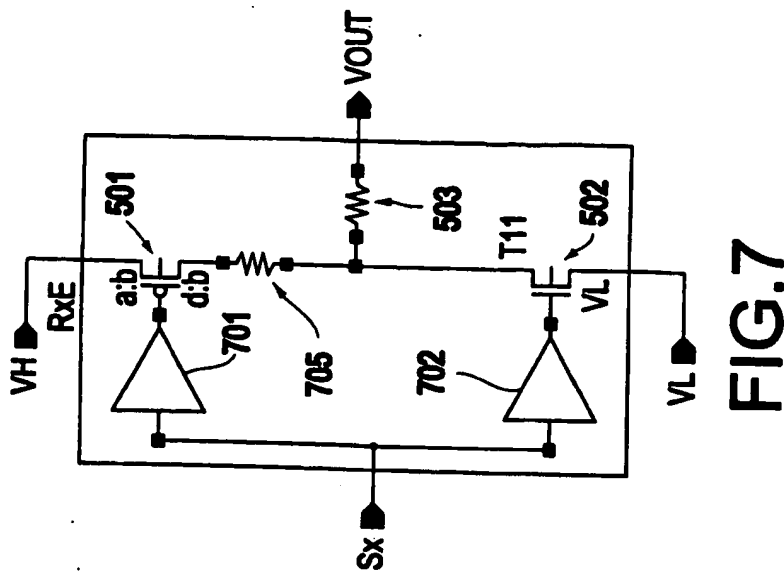


FIG. 7

New Sheet.

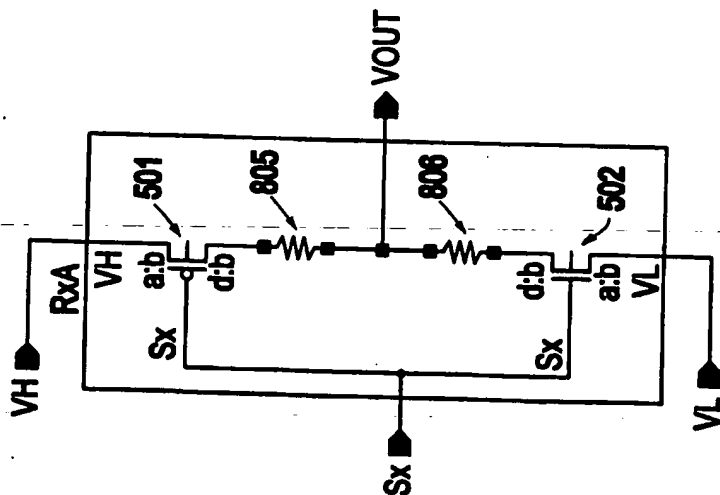


FIG. 8

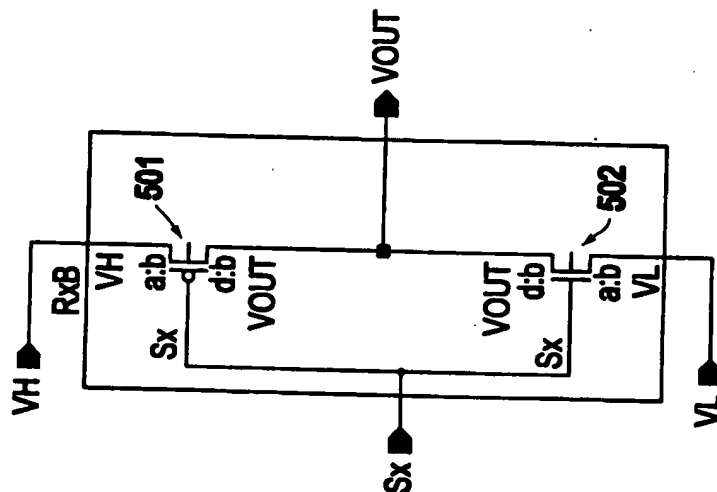


FIG. 9

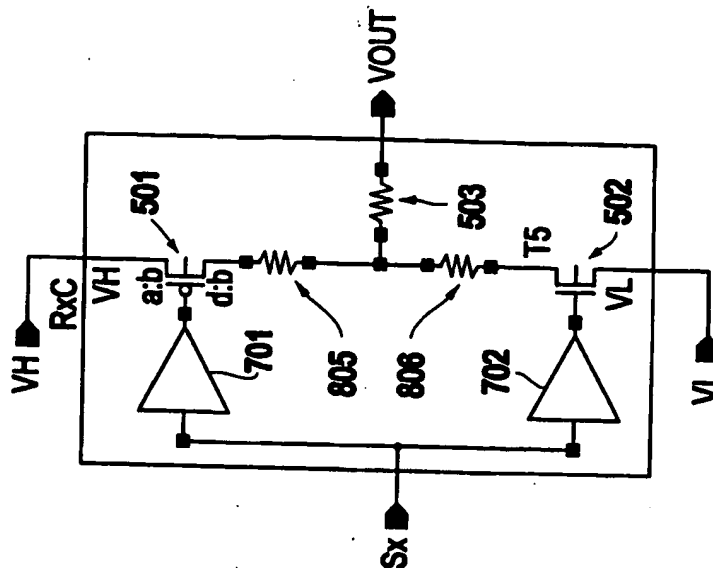


FIG. 10